

**What is claimed is:**

1. A sealing structure for polymer electrolyte fuel cell comprising:  
a bipolar plate with sealing groove to be filled with rubber using a dispenser;

5 and

a gasket interposed between said bipolar plate and a membrane electrode assembly.

2. The sealing structure for polymer electrolyte fuel cell as in claim 1, further  
10 comprising an anchor in contact with said sealing groove, whose width is greater than  
the width of said sealing groove.

3. The sealing structure for polymer electrolyte fuel cell as in claim 2, wherein  
said anchor has a width of 1.5 times of the width of said sealing groove.

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4. The sealing structure for polymer electrolyte fuel cell as in claim 3, wherein  
said sealing groove and said anchor have same depth.

5. The sealing structure for polymer electrolyte fuel cell as in claim 1, wherein  
20 said anchor is formed vertically to a route direction of said sealing groove in the

periphery of said sealing groove.

6. The sealing structure for polymer electrolyte fuel cell as in claim 5, wherein  
said anchors on each of said bipolar plate located in the front and the rear of said  
5 membrane electrode assembly, are located symmetrically to each other.

7. The sealing structure for polymer electrolyte fuel cell as in claim 1, wherein  
said rubber is made of any of rubber materials containing silicon, fluorine or olefin.

10 8. The sealing structure for polymer electrolyte fuel cell as in claim 1, wherein  
said gasket is manufactured of the same material with said bipolar plate.

9. A polymer electrolyte fuel cell comprising said sealing structure stated in  
any of claims 1 - 8.

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